TRFPi - Wireless Programmable Room Thermostat

CURVE

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Important: Keep this document

Before commencing any work on the electrical connections, you must first disconnect the device from the mains. None of the 230V connections must be live until the installation has been completed and the housing is closed. Only qualified electricians or authorised service staff are permitted to open the terminal box.

Caution!
There are parts that carry mains voltage behind the cover.
The terminal box must not be left unsupervised when open.
(Prevent non specialists and especially children from gaining access to it.)

Prior to setting the thermostat, it is neccessary to complete all required settings described in this section.

1.) Factory default settings

Temperature indicator: °C
Switching differential: 0.4°C
In built frost protection: 5°C - Not adjustable
Keypad lock: OFF
Limiting the temperature range: OFF

2.) Specifications & wiring

Power Supply: 2 x AA Alkaline Battery	Temp. sensor: NTC 10K Ohm @ 25°C
Power consumption: 2 mW	Temp. indication: °C
Battery replacement: Once per year	Switching differential: Adjustable
Temp. Control Range : 5...35°C	from 0.2/0.4/0.6/0.8/1.0°C
Ambient temp: 0...50°C	Frost stat only operational in
Dimensions: 84 * 84 * 30mm	stand by mode

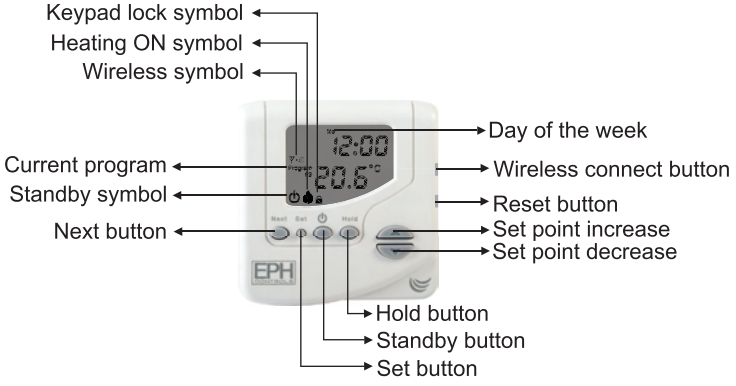
3.) Mounting

a) The mounting height should be 1.5 meters above the floor level.
b) The thermostat should be wall mounted in the room where the heating is to be controlled.
c) The place of installation should be chosen so that the sensor can measure the room temperature as accurately as possible.
d) Choose the mounting location to prevent direct exposure to sunlight or other heating / cooling sources when mounted.
e) The unit can be fitted to:
1. Recessed conduit boxes
2. Surface mounting boxes
3. Directly on walls
4. Table mounting with stand provided

4.) Installation

Slacken the fastening screw on the bottom of the thermostat with a philips screwdriver.
The thermostat is hinged and can be opened 180 degrees.
Insert the batteries (provided) into the thermostat.
Mount the unit as described in section 3.
Close the thermostat and tighten the fastening screw.

5.) Button / symbol description



6.) Resetting the thermostat

It is necessary to reset the thermostat prior to initial programming.
Press and hold the Set button for 5 seconds.
dEL will appear on the screen.
Press the ■ RESET button on the side of the thermostat to return to the default settings.

7.) Setting the date and time

Press the Set button.
Press the ▲ and ▼ buttons to adjust the year. Press the Next button.
Press the ▲ and ▼ buttons to adjust the month. Press the Next button.
Press the ▲ and ▼ buttons to adjust the day. Press the Next button.
Press the ▲ and ▼ buttons to adjust the hour. Press the Next button.
Press the ▲ and ▼ buttons to adjust the minute. Press the Next button.
After 10 seconds the thermostat will return to normal operation.

8.) Factory default settings 5d/1d/1d

	P1		P2		P3		P4		P5		P6	
Monday to Friday	06:30	21°C	08:30	16°C	12:00	21°C	14:00	16°C	16:30	21°C	22:00	16°C
Saturday	06:30	21°C	08:30	16°C	12:00	21°C	14:00	16°C	16:30	21°C	22:00	16°C
Sunday	06:30	21°C	08:30	16°C	12:00	21°C	14:00	16°C	16:30	21°C	22:00	16°C

9.) Adjusting the program settings

Press the Set button twice.

Programming for Monday to Friday is now selected.
Press the ▲ and ▼ buttons to adjust the P1 time. Press the Next button.
Press the ▲ and ▼ buttons to adjust the P1 temp. Press the Next button.
Repeat this process to adjust P2 to P6 times and temperatures.
Press the Set button.

Programming for Saturday is now selected.
Press the ▲ and ▼ buttons to adjust the P1 time. Press the Next button.
Press the ▲ and ▼ buttons to adjust the P1 temp. Press the Next button.
Repeat this process to adjust P2 to P6 times and temperatures.
Press the Set button.

Programming for Sunday is now selected.
Press the ▲ and ▼ buttons to adjust the P1 time. Press the Next button.
Press the ▲ and ▼ buttons to adjust the P1 temp. Press the Next button.
Repeat this process to adjust P2 to P6 times and temperatures.
Press the Set button.

The thermostat switching differential is now selected.
Press the ▲ and ▼ buttons to adjust the differential from 0.2...1°C.
Press the Set button to return to normal operation.

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10.) To connect the TRFPi thermostat to the WRS1i receiver

Press the Connect button on the WRS1i receiver.

The red light on the WRS1i will begin to flash.
Press the Connect button on the TRFPi.
Wireless connect will appear on the screen of the thermostat.

The thermostat is now connected to the WRS1i receiver.

11.) To disconnect the TRFPi thermostat from the WRS1i

On the TRFPi
Press the Set button for 5 seconds
dEL will appear on the display
Press the RESET button
The TRFPi is now disconnected from the WRS1i

On the WRS1i
Press the reset button on the right hand side of the WRS1i
The WRS1i is now disconnected from the TRFPi

12.) Temporary override (Manual)

Press the and buttons to adjust the temperature setpoint.
'Manual' will appear on the sceen.
After 10 seconds the thermostat will operate in this temporary override.
To cancel the temporary override, press the button to return to automatic mode.

13.) Permanent override (Hold)

Press the Hold button.
'Hold' will appear on the sceen.
Press the and buttons to adjust the temperature setpoint.
After 10 seconds the thermostat will operate in this permanent override.
To cancel the permanent override, press the Hold button to return to automatic mode.

14.) Keypad lock and unlock

The keypad may be locked to avoid interference with the temperature setpoint.

Press the and buttons for 5 seconds to lock the keypad.

A padlock symbol will appear on the screen.
The keypad is now locked.

Repeat this process to unlock the keypad.

15.) Limiting the temperature range

It is possible to limit the Hi and Lo temperature setpoints in this thermostat. Temperature setpoints in temporary override, permanent override and the programmed setpoints will be limited within the Hi and Lo limit setpoints.

The Hi temperature limit is preset at 25°C and cannot be adjusted.
The Lo temperature limit is preset at 15°C and cannot be adjusted.

To activate Hi and Lo temperature limitation

Press and hold the Set and buttons for 10 seconds to enter the setting mode.
OFF Limit will appear on the screen.
Press the button to activate this function.
On Limit will appear on the screen.
Press the Set button and the thermostat is ready for operation.

To deactivate Hi and Lo temperature limitation

Press and hold the Set and buttons for 10 seconds to enter the setting mode.
On Limit will appear on the screen.
Press the button to activate this function.
OFF Limit will appear on the screen.
Press the Set button and the thermostat is ready for operation.

16.) Frost protection

Frost protection is built into this thermostat.
It is prefixed at 5°C and is not adjustable.
Frost protection will only be activated when the thermostat is in the stand by mode and the room temperature falls below 5°C.

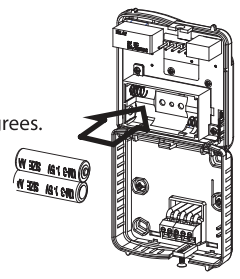
17. Battery low warning

When the batteries are almost empty, the Lo symbol will begin to flash on the screen.

The batteries must now be replaced or the unit will shut down.

18.) Replacing the batteries

Slacken the fastening screw on the bottom of the thermostat with a philips head screwdriver.
The thermostat is hinged and can be opened 180 degrees.
Replace the batteries with 2 x AA Alkaline batteries
Close the thermostat and tighten the fastening screw



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